



# Efficiency in Primary Agricultural Production

One of DAAS, National Centre's obligations is to constantly develop tools for farmers using Information and Communication Technology. DAAS, National Centre has in close cooperation with farmers and agricultural science developed a number of Information and Communication Technology systems. These managerial tools aim to solve problems concerning agricultural production, environment and animal health monitoring systems.

## Services offered by DAAS:

- The INTEGRATED FARM MANAGEMENT SYSTEM 
- The integrated office management system
- The professional knowledge bank named WebInfo
- Fertiliser planning systems/programs on different levels dependent on country
- Green accounting systems/programs 
- Animal Health Monitoring Systems
- Planning and management tools
- Managerial assessments and analyses
- Operating procedures and on-going monitoring
- Capacity building and training

## Web portal



Via the Internet address [www.landmand.dk](http://www.landmand.dk), Danish farmers have access to a web portal which can be constructed according to individual needs. The principal idea of the portal is manifested in the function "My site". Here the farmer can select from a vast number of information elements, making up a homepage that meets the requirements of his farm. The elements can be the farmer's own data, weather and climate, news headlines, trade information, useful IT-programs, supplier offers, etc. Moreover, if the farmer is an active member of the National Farmers' Union, he will have free access to more than 100,000 articles of the professional online database LandbrugsInfo

DAAS applies a participatory approach involving end-users and implementing organisations in the analyses of their own problems and needs. User friendliness is achieved through close cooperation with the target groups in testing the systems.



**Danish Agricultural Advisory Service**  
National Centre

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## IT management support systems for agriculture

### Danish official herd and animal register

In conformity with EU regulations all cattle must be registered. In Denmark the registrations are stored in a central database belonging to the Royal Danish Ministry of Food, Agriculture and Fisheries. All registrations are based on reports from animal breeders. DAAS has undertaken the reporting of information and events about the herds and animals for The Royal Danish Ministry of Food, Agriculture and Fisheries since 1992.

### PlantInfo – [www.planteinfo.dk](http://www.planteinfo.dk)

This system provides all relevant updated information, guidelines and IT-tools needed for common plant production. The IT system is developed and implemented in Denmark, and is under implementation in Norway and Sweden.

### Variety-Info Database – [www.sortinfo.dk](http://www.sortinfo.dk)

This system supports the Danish farmers and advisers when defining the optimal variety/sort choice. All results from trials are continuously updated and registered via the Internet thus enabling the farmer to utilise the trial results immediately.

### Plant Protection Agent Database

This database showing all Danish/EU authorised pesticides has been implemented in Denmark, based on development in a 3-year project in cooperation between the key institutions within Plant Protection in the Baltic countries, Poland and Denmark. The goal of the project was to develop and implement an Internet based database for pesticides for use in Denmark, the Baltic countries and Poland.

### Danish Field Database / Field Maps Online

Danish Field Database developed by DAAS continuously updates the field data concerning fertilisation and plant protection. The database is used by the farm manager as the central entrance to farm specific data. These data can be combined with complementary locally specific data. The system enables the farm manager to get a clear picture of the production unit regarding e.g. area administration, subsidy possibilities and local production conditions.

### Plant Protection Online

#### – [www.plantevaern-online.dk](http://www.plantevaern-online.dk)

A Decision Support System (DSS) which provides advisers with updated information concerning plant protection. The system is based on dose-response algorithms demonstrating effects of different single pesticide products and different mixtures. The system has been developed to reduce chemical applications and to safeguard the optimal production when using reduced pesticide doses at the proper time. The IT systems are developed and implemented in Denmark, and are under implementation in Norway and Sweden.

### Recording Net

Internet based plant pests monitoring and early warning system. The system is updated on a weekly basis. Danish local advisers report their findings of plant pests and the results are made available on the Internet.



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